

Description of Twenty-five new species of CICINDELIDÆ; by H.
W. BATES, F.L.S.

Cicindela Millingeni.

C. quadrilineata (F.), proxime affinis; magis elongata, lateribus parallelis. Aurato viridis, epistomate et fronte late violaceis, elytris albis, sutura et vitta angusta discoidali olivaceis, vitta basin longe haud attingenti, ante apicem cum sutura linea angusta interrupta connexa: labro brevissimo, verticaliter arcuato, medio haud abrupte convexo, margine recto, tridentato: thorace recte quadrato, pleuris dense albopilosis: antennis basi, pedibus corporeque subtus late viridibus, hoc lateribus dense albopilosis. Long. 8 lin. ♀.

Bushire, Persian Gulf. Dr. C. Millingen.

Cicindela phosphora.

Elongata, convexa, lateribus parallelis; elytris purpureis velutino-opacis, vitta intra-marginali (paulo post medium terminata), guttaque marginali ante apicem albis: capite et thorace olivaceo-aneis alutaceo-opacis, hoc lateribus medio fere rectis, juxta basin et apicem rotundato-angustato; fronte omnino subtiliter strigoso; collo crasso; oculis modice prominulis labro (♂) medio rotundato-producto obtuse tridentato; palpis maxillaribus piceis: corpore subtus cyaneo, nudo; pedibus cupreis, tarsis cyaneis. Long. 6 lin. ♂.

Mexico. From M. J. Thomson's coll., ticketed with the M.S. name here adopted.

Cicindela Rutherfordi.

C. nitidula, Dej., formâ simillima, at differt colore obscuro, elytrisque ♀ nigris signaturis obsoletis. Elongata, angusta, capite thoraceque obscure viridi-aneis: elytris ♂ olivaceo-nigris, margine toto, macula subscutellari, linea elongata obliqua e lunula humerali, altera ascendenti curvata e lunula apicali (apice libera) fasciæque valde flexuosa mediana albis; ♀ fere nigris marginibus cyaneis, signaturis indistinctis vel nullis, macula humerali et apicali exceptis: corpore subtus pedibusque auratis,

lateribus dense albotomentosis, trochanteribus viridi-æneis. Long. $4\frac{1}{2}$ –5 lin. ♂, ♀.

Cameroons. Collected by Mr. D. G. Rutherford.

Cicindela graphica.

C. interstinctæ (Schönh.) valde affinis vel ejusdem var. *geographica*; colore obscuriori, signaturis albis nec fulvis; elytrorum lunulâ apicali distinctius formata, interrupta, parte superiori majori triangulari haud fasciam cum guttula suturali efficienti. Purpureo-fusca interdum fere nigra, subtus cyanea lateribus cupreis, pedibusque violaceis: elytris lunula angusta humerali, altera latiori interrupta apicali, guttulis utrinque quatuor et fascia angusta (utrinque hamata) mediana albis. Long. ♂ ♀ 8 lin.

Angola. Collected by Mr. Rogers.

Cicindela gabonica.

C. interstinctæ (Schönh.) affinis. Capite et thorace rubro-cupreis; elytris viridi-fuscis, signaturis omnibus fulvis latis, scilicet:—lunula breviori lata humerali, fasciis duabus macularibus, altera mediana altera subapicali, maculaque apicali fulvis: corpore subtus aurato-viridi, lateribus femoribus purpureo-cupreis, tibiis et tarsis cyaneis. Labro medio apice abrupte producto ♀ valde ♂ brevius tridentato. Long. 10 lin. ♂, ♀.

R. Ogowé, Gaboon. Collected by Mr. R. B. N. Walker. Very distinct from *C. interstincta* by the form of the labrum.

Cicindela olivia.

C. opigraphæ, Dej, forma similis at elytris magis parallelis, guttulisque discoidalibus albis. Elongata, thorace angusta, elytris passim granulosis, obscure olivaceis, lunulis basi et apice maculisque duabus marginalibus ut in *C. opigrapha*, sed guttulis duabus discoidalibus, prima ante secunda post medium: capite thoraceque nigro-viridibus opacis, hoc griseo piloso; labro ♂ albo, margine antico flexuosa, medio producto unidentato; palpis gracilibus viridi-æneis, labialium articulo penultimo flavo: corpore subtus pedibusque cyaneis, illo lateribus longe albo-piloso, femoribus auratis. Long. $5\frac{1}{2}$ lin. ♂.

Chamusuri and Moradabad, India. Three examples from Judge Benson's collection.

Cicindela Monteiroi.

C. catenæ (F.) affinis. Capite et thorace cupreis, hoc toto et illo postice albo-incumbenti-piloso; labro albo, antice producto acute spinoso: elytris fere nigris, margine (basali incluso), vittula subscutellari, fasciaque obliqua mediana vix flexuosa albis: corpore subtus medio cyaneo, genibus (sub oculos) nudis striatis, prothoracis episternis violaceis, nudis, cæteris albo-tomentosis: pedibus viridi-aneis, femoribus subtus violaceis. Variat elytris guttula alba subsuturali ante medium. Long. $5\frac{1}{2}$ lin. ♂, ♀.

Delagoa Bay. Sent home in some numbers by the late Mr. J. J. Monteiro.

Cicindela cabinda.

C. leucoptera (Dej.) formâ similis, sed major, et signaturæ fere ut in *C. nitidula* (Dej.) Viridi-anea, fronte, antennarumque basi plus minusve rufo-auratis, corpore subtus pedibusque læte viridi-aneis, elytris punctatis viridi-sericeis, margine, sutura, macula subscutellari, linea elongata obliqua e lunula humerali, altera ascendenti curvata e lunula apicali, fasciaque mediana valde flexuosa albis. ♂ Thorace quadrato, elytris versus apicem angustatis. ♀ Thorace trapezoidali, angulis posticis paulo lobatis; elytris ante medium rotundato-dilatatis, ibique margine anguste explanatis, versus apicem valde recte oblique angustatis. Long. $4\frac{1}{2}$ lin. ♂, ♀.

Landana (Loango). From Dr. Uhson More; many examples mixed with *C. nitidula* (Dej.)

The curved line in prolongation of the apical lunule does not (except in rare albino examples) reach the white margin, as it does in *C. nitidula*, *nilotica*, and others.

Cicindela ovas.

C. cabindæ (v. supra) formâ utriusque sexus eadem; differt solum elytrorum signaturis albis latioribus, linea curvata e lunula apicali cum margine connexa. Long. 5 lin.

Madagascar; liable to be confounded with *C. nilotica*, from which it differs in the form of the thorax and the elytra, especially in the ♂. I have no doubt it is the species indicated under the name of *C. ovas* in the Cat. Cic. of M. de Chaudoir.

Cicindela Balucha.

C. chiloleuccæ (Fisch.) affinis, sed multo brevior coloreque obscuriori. Purpureo-fusca, elytris sub-ovatis versus basin angustatis, lunula humerali et apicali (hoc cornu anterior clavato) fasciaque mediana valde flexuosa, dilacerata, flavis, (lunula humerali et fascia per marginem connexis) : capite fronte grosse striato, occipite granulato, cum thorace sparsim incumbenti-grisco-pilosis; labro (♀) ut in *C. chiloleuca* rotundato-producto, medio margine recto unidentato; antennis articulis 5-11, trochanteribus et tibiis (apice exceptis) obscure rufis; pectore viridiæneo. Long. 4 lin. ♀.

Beloochistan.

Cicindela Swinhoei.

C. punctatissimæ (Schaum) affinis, differt colore obscuriori, thoracisque angulis utroque sexu multo magis productis. Viridi-ænea, elytris obscurioribus, his passim crebre punctulatis, margine laterali, vittula basali, fascia angusta mediana unicurvata per discum vittæ-formi continuata, lunulaque apicali, albis, interdum ♂ (an charact. sexuali?) vittula basali usque ad suturæ apicem prolongata: thorace ♂ trapeziformi, ♀ idem angulis posticis acute et valde productis: trochanteribus, tibiis tarsisque basi rufotestaceis. Long. 5 lin.

Island of Formosa. Taken by the late Consul Swinhoe.

Cicindela filigera.

Parva, subcylindrica, late cyanea, nitida, elytris violaceo-tinctis, utrinque post medium guttulis duabus a margine distantibus albis, trochanteribus palpisque (valde elongatis et tenuibus) flavis, his apice nigris; maxillarum lobis tenuissimis; labro ♂ brevi, margine antico fere recto, angulis solum dentatis; capite angustulo, striis juxta-ocularibus exceptis fere lævi; thorace angusto, lævi, fere ut in *C. elegans* (Dej.); elytris sparsim subgrosse punctatis; corpore subtus lateribus sparsim longe hirsuto. Long. $3\frac{1}{2}$ lin. ♂.

Borneo.

Cicindela occulta.

Subcylindrica, fuliginosa vix cupreo-tincta, subtus cyanea, lateribus cupreis sparsim breviter hirsutis, pedibus testaceo-rufis, femoribus medio cupreis; palpis flavis apice nigris; labro ♂ semicirculari albo, antice flexuoso, medio breviter tridentato;

capite thoraceque intricato-strigosis illo juxta oculos grosse striatis; oculis modice prominulis; thorace subcylindrico, medio vix rotundato sulcis haud profundis: elytris supra paulo undulatis, sparsim punctulato-granulatis, utrinque apicem versus guttulis flavis tribus in triangulo dispositis, a margine remotis. Long. $3\frac{1}{2}$ lin. ♂.

Tamatave, Madagascar. Collected by F. Plant.

Cicindela azureocincta.

C. chloropleuræ (Chaud.) simillima. Minor, tarsis 4 anterioribus utroque sexu sulcatis: labro viridi-æneo, medio producto valide tridentato: capite thoraceque cyaneis disco cupreo-auratis intricato-rugosis, illo vittis duabus frontilibus azureis, hoc angusto, lateribus vix rotundatis: elytris aurato-fuscis sericeo-opacis, suturâ margineque laterali tridentato azureis nitidis, utrinque guttulis duabus posticis albis, margine granulato-punctulato, disco (versus basin excepto) lævi: corpore subтус violaceo, lateribus parce pilosis; trochanteribus et genubus subтус flavis; femoribus viridi-æneis tibiis et tarsis nigris obscuris. Long. $4\frac{1}{2}$ lin. ♂, ♀.

Bombay.

Euryoda anosignata.

Subnitida, supra medio fusco-cuprea lateribus læte æneo-viridibus, subтус viridi-ænea, pedibus rufis, tarsis et tibiis anticis viridi-auratis; palpis flavis apice nigris; labro ♂ acute 5 dentato, medio subcarinato-convexo, albo; capite inter oculos eleganter strigoso, thorace angusto, convexo, transversim striguloso; elytris apice suturali acute spinosis, supra grosse confertim punctatis, prope apicem utrinque macula majori rotundata alteraque discoidali minute, flavis. Long. 6 lin. ♂.

Old Calabar.

Dromica simplex.

Supra nigra, lateribus cyaneis æneo marginatis, elytris vittula submarginali prope apicem alba; labro ♀ nigro macula mediana alba; thorace cylindrico transversim recte strigoso; elytris elongato-ovatis, humeris nullis, apice suturali valide spinoso, supra convexis discrete, confertim punctatis; corpore subтус femoribusque cyaneis. Long. $6\frac{1}{2}$ lin. ♀.

Mozambique.

Belongs to the section *Cosmema*; elytra less densely punctured and much narrower and more attenuated anteriorly than in *D. citreoguttata* (Chaud.).

Dromica albicinctella.

D. lepidæ (Boh.) similis, sed elytris discrete, haud confluentes, punctatis; suturâ apice longe spinoso, vitta submarginali albo multo angustiori et ad basin continuata: viridi-fusco-aurata, sericeo-nitens; thorace subtiliter intricato-strigoso; elytris discrete punctatis, punctis versus apicem rarioribus. Long $5\frac{1}{2}$ lin. ♂.

Trans-Vaal.

This is evidently the species which Baron Chaudoir (Rev. et Mag. Zool. Jan. 1864) mistook for *Dr. marginella* (Boh.); in which the labrum is black as Boheman truly described it.

Therates Everetti.

Th. basali (Dej.) affinis: ænescenti-niger, elytris testaceo-rufis, utrinque plaga magna oblonga post mediana nigra; partibus oris, antennarum articulo basali, pedibusque flavis, metasterni medio abdomineque rufo-testaceis: elytris paulo ante medium tubercula discoidali, apicem truncatis, angulo suturali solum dentato, supra tantum in impressionibus basalibus sparsissime punctulatis. Long. 6 lin. ♂.

Mindanao, Philippines (Sent by Mr. Everett).

Therates punctipennis.

Th. dimidiata (Dej.) proxime affinis, ejusdem forte var. geographica; Cyaneus, elytris punctatis, apice longe spinosis, rufis fascia lata post medium (interdum fere obsoleta) ænea vel violacea; corpore subtus, tarsis anticis posterioribusque apice, nigris; partibus oris, antennarum articulo basali, coxis posticis intus abdomine et pedibus rufo-testaceis. Long. $5\frac{1}{2}$ lin. ♂, ♀.

N. W. Borneo; many examples.

Therates versicolor.

Th. acutipenni (Vanderl.) similis, sed major, femoribus toto rufo-testaceis. Major, violaceo- et viridi-æneo versicolor; partibus oris, antennarum articulo basali, coxis posticis intus, abdomine et femoribus rufo-testaceis; elytris disco lævibus, impressionibus basi punctatis, apice longe spinosis, macula humerali angusta (versus scutellum extensa) rufa. Long. $7\frac{1}{2}$ lin. ♂.

N. W. Borneo.

Therates Chennelli.

Parvus, angustus, nigro-nitidus, capite thoraceque subcyaneis, elytris vitta lata suturali in fasciam rectam medianam terminata, altera obliqua a humero fere usque ad suturam ducta, apiceque late flavo-testaceis; palpis antennarum articulo basali et pedibus albotestaceis, metasterni medio et abdomine pallidis; labro ♂ angusto, elongato, flavo nigro-marginato, margine antico dentibus acutis 6 lateribus utrinque 1 majori: elytris umbone basali excepto vix inaequalibus, grossissime sparsim punctatis, apice usque ad suturam rotundatis nec sinuatis. Long. $3\frac{1}{2}$ lin. ♂.

Naga Hills, 2,000 feet. Taken by Mr. A. W. Chennell.

Therates princeps.

Th. spectabili (Schaum) affinis. Nigro-æneus, politissimus, purpureo-tinctus, elytris macula magna humerali, altera apicali, fascia lata obliqua mediana, abdomine et pedibus aurantiaco-fulvis, labro palpis femoribusque flavis; elytris apice productis et spina utrinque longissima armatis, supra valde inaequalibus basi acute sparsim granulatis. Long. 7 lin. ♂, ♀.

N.W. Borneo.

Collyris Andamana.

C. crassicorni (Dej.) affinis, sed major antennarumque articulo 5 longiori et graciliori. Saturate cærulea vel violacea, femoribus testaceo-rufis: thorace quam in *C. crassicorni* postice minus incrassato, magis conico, antice abrupte angustato, supra fortius transversim strigoso: elytris cylindricis, grosse subconfluent punctatis, punctis apicem versus elongatis. Palporum labialium stipite medio testaceo-rufo. Long. 9 lin. ♀.

Andaman Islands. Two ♀.

Collyris rhodopus.

C. saphyrinæ affinis, antennarum formâ simili. Supra aneo-purpurea, subtus violacea, pedibus (tarsis apice nigris exceptis) rufis purpureo-tinctis; antennis fulvo-rufis apice infuscatis, articulis duobus basalibus cyaneis; palpis rufis, apice cyaneis; capite inter oculos concavo, sulcis vage haud profunde incisus; pone oculo modice rotundato inflato; thorace postice elongato-conico, prope basim vix strangulato, supra forte strigoso; elytris postice gradatim dilatatis, apice versus suturam late sinuatis,

passim discrete punctatis, punctis medio parum transversim confluentibus ibique fascia indistincta rufescenti. Long. $9\frac{1}{2}$ lin. ♀.

North Borneo.

Collyris rubens.

C. Sarawakensis (Thoms.) affinis et similis. Castaneo-rufa, antennis, capite, pectore, tibiis et tarsis æneo-nigris : capite inter oculos late excavato, sulcis frontalibus curtis vix incisus, interstitio anguste convexo; thorace postice conico, strigoso, ante medium constricto, deinde ante apicem convexo, tumido; elytris basi et apice sparsim grosse punctatis, medio grossissime transversim rugosis, ibique cyaneo-tinctis. Long. $8\frac{1}{2}$ lin.

♂ Tibiis posticis apice et tarsis fulvis.

Assam, plains. Taken by Mr. A. W. Chennell.
